

**STATEMENT OF WORK**  
**Anaerobic Digester, Ambient Temperature (365)**  
**TENNESSEE**

**These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.**

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**DESIGN****Deliverables**

1. Design documentation that will demonstrate that the criteria in NRCS practice standard have been met and are compatible with other planned and applied practices.
  - a. Practice purpose(s) as identified in the conservation plan.
  - b. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). Tennessee One Call notification at 811 is client's responsibility.
  - c. Practice standard criteria related computations and analyses to develop plans and specifications including, but not limited to:
    - i. Geology and Soil Mechanics (NEM Subpart 531a).
    - ii. Storage volume.
    - iii. Structural, mechanical, and appurtenance design.
    - iv. Environmental considerations (e.g., air quality, bio-security).
    - v. Safety considerations (NEM Part 503-Safety, Subpart A, 503.10 through 503.12).
  - d. Evaluation and completion of TN-CPA-25, Environmental Effects for Conservation and Areawide Plans.
2. Written plans and specifications, including sketches and drawings, shall be provided to the client that adequately describes the requirements to install the practice.
3. Design Report and Inspection Plan as appropriate (NEM Part 511, Subpart B, Documentation, 511.11 and 512, Subpart D, Quality Assurance Activities, 512.30 through 512.32).
4. Operation and Maintenance Plan.
5. Certification that the design meets practice standard criteria and complies with applicable laws and regulations [NEM Subpart A, 505.03 (b)(2)].
6. Design modifications during installation, as required.

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**INSTALLATION****Deliverables**

1. Pre-installation conference with client and contractor.
2. Staking and layout according to plans and specifications, including applicable layout notes.
3. Installation inspection (according to inspection plan, as appropriate).
  - a. Actual materials used (Part 512, Subpart D, Quality Assurance Activities, 512.33).
  - b. Inspection records.
5. Facilitate and implement required design modifications with client and original designer.
6. Advise client/NRCS on compliance issues with all Federal, State, tribal, and local laws, regulations, and NRCS policies during installation.
7. Certification that the installation process and materials meet design requirements.

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**CHECK OUT****Deliverables**

1. As-built documentation.
    - a. Extent of practice units applied.
    - b. Drawings.
    - c. Final quantities.
  2. Certification that the installation meets NRCS standards and specifications [NEM Subpart A, 505.03 (c)(1)].
  3. Progress reporting.
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**REFERENCES**

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- NRCS Tennessee Field Office Technical Guide (e-FOTG), Section IV, Conservation Practice Standard - Anaerobic Digester, Ambient Temperature (365).
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook.
- NRCS Cultural Resources Handbook.